

**Notice of Allowability**

Application No.

09/624,785

Examiner

Guillermo Munoz

Applicant(s)

GARG ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed July 15, 2004.
2. ☒ The allowed claim(s) is/are 5,6,13 and 14.
3. ☒ The drawings filed on 25 July 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 8/24/07
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**TEMESGHEN GHEBRETSINAE**  
**PRIMARY EXAMINER**

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark D. Saralino on August 26, 2004.

The application has been amended as follows:

In claim 5, line 3, delete "a)".

In claim 5, line 6, delete "b)".

In claim 5, line 7, delete "and".

In claim 5, line 8, delete "c)".

In claim 5, line 14, change "frames," to —frames; and—.

In claim 5, line 15, delete the phrase "further including".

In amendment filed July 15, 2004 on page 3, line 7 correct typographical error by changing "7-13" to —7-12—.

In claim 13, line 4, delete "a)".

In claim 13, line 6, delete "b)".

In claim 13, line 7, delete "and".

In claim 13, line 8, delete “c)”.

In claim 13, line 12, change “,” to —;—.

In claim 13, line 13, delete the phrase “further including”.

In claim 13, line 17, change “points, and” to —points; and—.

***Allowable Subject Matter***

Claims 5-6 and 13-14 are allowed.

The following is an examiner’s statement of reasons for allowance:

Claims 5-6 and 13-14 are allowed because the claimed invention comprises a receiver and corresponding method for receiving a digital carrier signal. The receiver comprises an adaptive equalizer that selects and utilizes a set of adaptive filter coefficients from a plurality of sets of coefficients to equalize the digital carrier signal. Each set of coefficients represents distortion characteristics resulting from the network topology of a transmitter at a particular physical location on the network. The closest prior art, Nguyen (cited in office action mailed June 28, 2004) teach a similar circuit including an adaptive equalizer, however, Nguyen fails to teach selecting and using a coefficient set from a plurality of sets, the set representing distortion characteristics resulting from the network topology and physical location of a particular transmitter on the network. This distinct feature has been included in independent claims 5 and 13, rendering them allowable. Claims 6 and 14 depend on independent claims 5 and 13, respectively, and are thereby allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guillermo Munoz whose telephone number is 571-272-3045. The examiner can normally be reached on Monday-Friday 8:30a.m-4:30p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Guillermo Munoz*

GM  
August 26, 2004

TEMESGHEN GHEBREHINSAE  
PRIMARY EXAMINER

*[Signature]*  
8/30/04